



Project: Alaska Copper Works

Inspection Date: 10/23/19

Project No.: 19ACW1

Technician: Elaine Lytle

**System Performance:**

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>0</u>	Effluent	<u>143.1</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>8</u>	Effluent	<u>9</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>7</u>	Effluent	<u>9</u>	
Carbon Filter Pressures (Lead)	Influent	<u>8.5</u>	Effluent	<u>4</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>3</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	reading properly
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	reading properly
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	no leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	running well
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	area clean and well kept
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~half full 55 gallon drum and one full drum
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	in job box
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	calibrated



**Water Sampling:**

Were water samples taken? ☒ Yes ☐ No

Raw water:	pH	<u>6.36</u>	Turbidity	<u>9.25</u>	NTU
Bag Filter Influent	pH	<u>8.03</u>	Turbidity	<u>8.22</u>	NTU
Bag Filter Effluent	pH	<u>8.35</u>	Turbidity	<u>7.50</u>	NTU
Carbon Filter Influent	pH	<u>7.73</u>	Turbidity	<u>5.22</u>	NTU
Carbon Filter Effluent	pH	<u>7.57</u>	Turbidity	<u>2.09</u>	NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

**Sludge Depth (inches):**

Decant Tank:	<u>N/A</u>
Treatment tank:	<u>N/A</u>
Backflush tank:	<u>N/A</u>
Main lift station:	<u>N/A</u>
North lift station:	<u>N/A</u>
South lift station:	<u>N/A</u>

**Additional Comments, Recommendations and System Upsets:**

Cartridge filters were changed out on 10/16, 10/18, and 10/22.

Elaine Lytle  
\_\_\_\_\_  
Technician

Treatment Tech  
\_\_\_\_\_  
Title

10/23/19  
\_\_\_\_\_  
Date

**Submit**